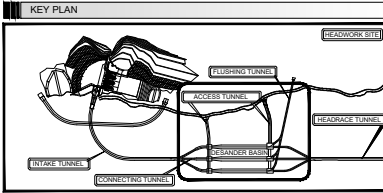


PLAN LAYOUT OF DESANDER BASIN

1:400

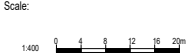


Coordinate of control points

No.	X(N) (m)	Y(E) (m)	Remark
W4	3112549.600	627360.090	OF DESANDER BASIN
W5	3112340.410	627080.355	

- NOTE
- This set of drawings are Layout drawing of desander basin.
 - All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
 - Pls. see drawing No. UT1-C-030-CVL-DG-51001 for layout drawing of access tunnel for D/S gate operating house of desander basin.
 - Pls. see drawing No. UT1-C-030-CVL-DG-53001 for layout drawing of flushing tunnel.
 - Layout drawing of access tunnel for U/S gate operating house of desander basin shall be shown in subsequent drawings.
 - Symbol description:
 - 6.1. A-line is the design excavation line.
 - 6.2. B-line is the overbreak line.
 - 6.3. R denotes round bar, yield strength of the round bar is 280MPa.
 - 6.4. D denotes deformed bar, yield strength of the deformed bar is 500MPa.
 - The specified compressive strength of concrete is the cylinder strength of concrete at age of 28 days.

- Legend:
- Excavation line
 - Estimated ground water level
 - surface of 1st concrete
 - section of 1st concrete



REFERENCE DRAWINGS

SYMBOL AND LEGEND

FOR APPROVAL

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DR	22.APR.2022	AS	RH-0019	WANG H.Q.	ZHANG J.Q.	LI W.Z.
DA	28.JUL.2021	FIRST	ISSUE	WANG H.Q.	ZHANG J.Q.	LI W.Z.
REV	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.	

PROJECT TITLE
Upper Trishuli-I HEP (216MW)

OWNER

OWNER'S ENGINEER

CONTRACTOR
 Doosan Enerbility Co., Ltd

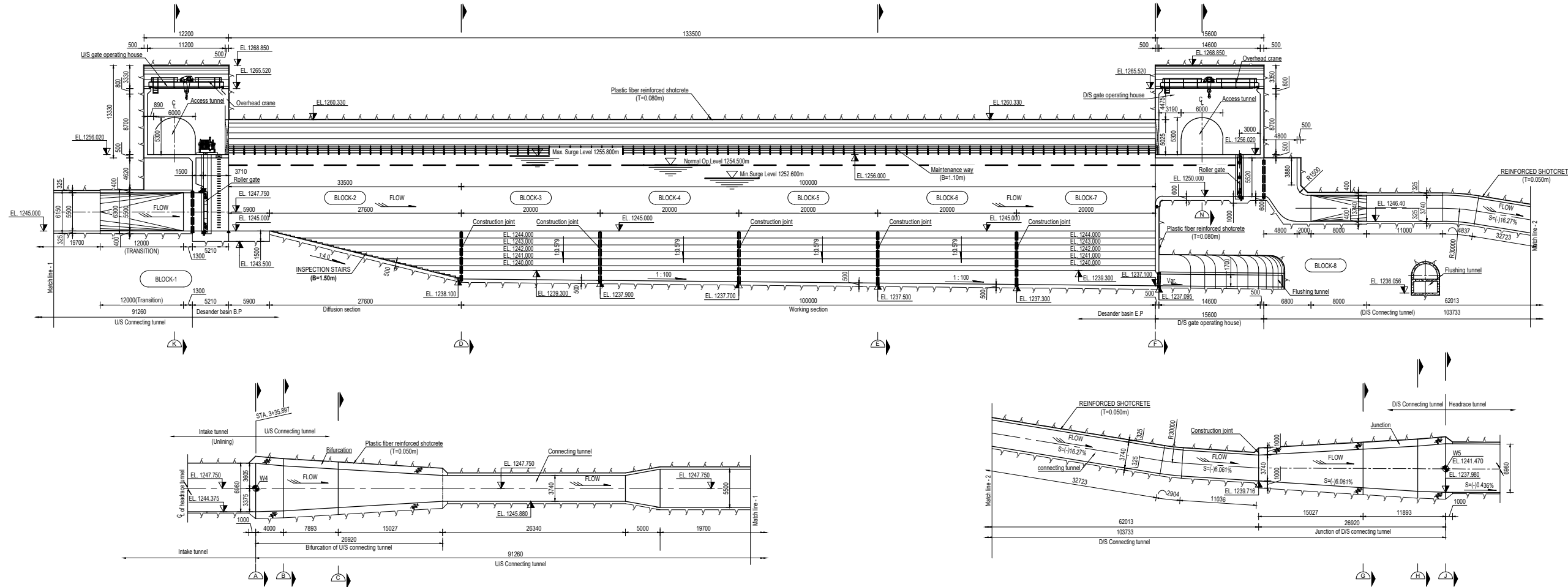
DRAWING TITLE
LAYOUT DRAWING OF DESANDER BASIN (1/6)

NO.	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-030-CVL-DG-52001-01	1 OF 6	0B

A1 (594 × 841 MM) 1

GENERAL PROFILE OF DESANDER BASIN-2

1:200



NOTE

1. This set of drawings is general plan layout of desander basin, access tunnel and flushing tunnel.
2. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
3. Pls. see sheet 1 for other notes.

Legend:

- Excavation line
- Estimated ground water level
- surface of 1st concrete
- section of 1st concrete

Scale:

1:200

REFERENCE DRAWINGS

SYMBOL AND LEGEND

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REV.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVED
01	25.APR.2021	AS RN-0019	WANG H.Q.	ZHANG J.Q.	LI W.Q.
02	28.JUL.2021	FIRST ISSUE	WANG H.Q.	ZHANG J.Q.	LI W.Q.

PROJECT TITLE
Upper Trishuli-1 HEP (216MW)

OWNER
NWEDC

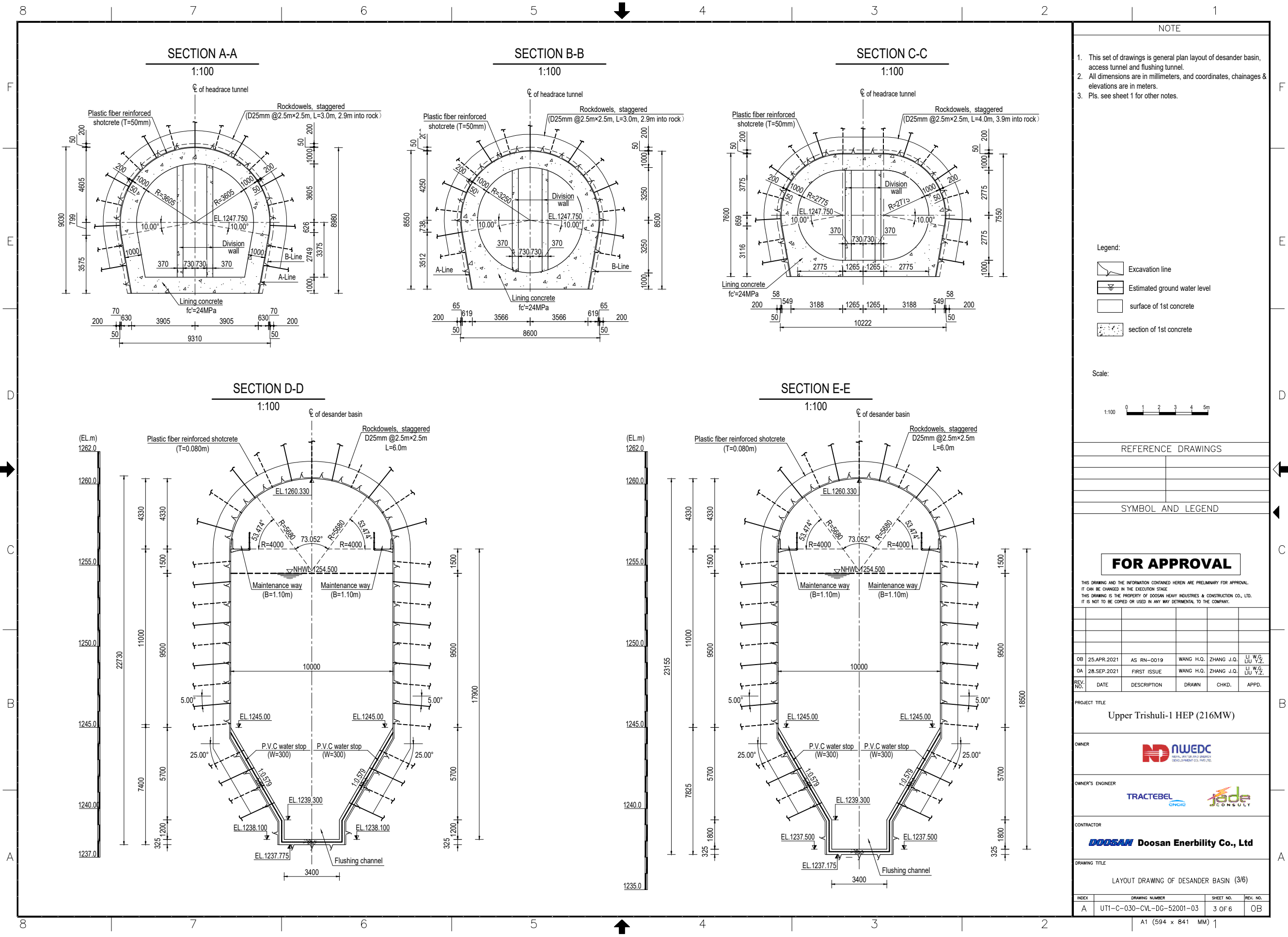
OWNER'S ENGINEER
TRACTEBEL

CONTRACTOR
Doosan Enerbility Co., Ltd

DRAWING TITLE
LAYOUT DRAWING OF DESANDER BASIN (2/6)

SHEET	DRAWING NUMBER	SHEET NO.	TOTAL SHEETS
A	UT1-C-030-CV-DG-52001-02	2 OF 6	06

A1 (594 x 841 MM)



NOTE

- This set of drawings is general plan layout of desander basin, access tunnel and flushing tunnel.
- All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
- Pls. see sheet 1 for other notes.

Legend:

- Excavation line
- Estimated ground water level
- surface of 1st concrete
- section of 1st concrete

Scale:

1:100 0 1 2 3 4 5m

REFERENCE DRAWINGS

SYMBOL AND LEGEND

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OA	28.SEP.2021	FIRST ISSUE	WANG H.Q.	ZHANG J.Q.	LI W.G.
REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC
NARAYAN WATERSHED DEVELOPMENT CO. (PVT.) LTD.

OWNER'S ENGINEER

TRACTEBEL
CHNC

Jade CONSULT

CONTRACTOR

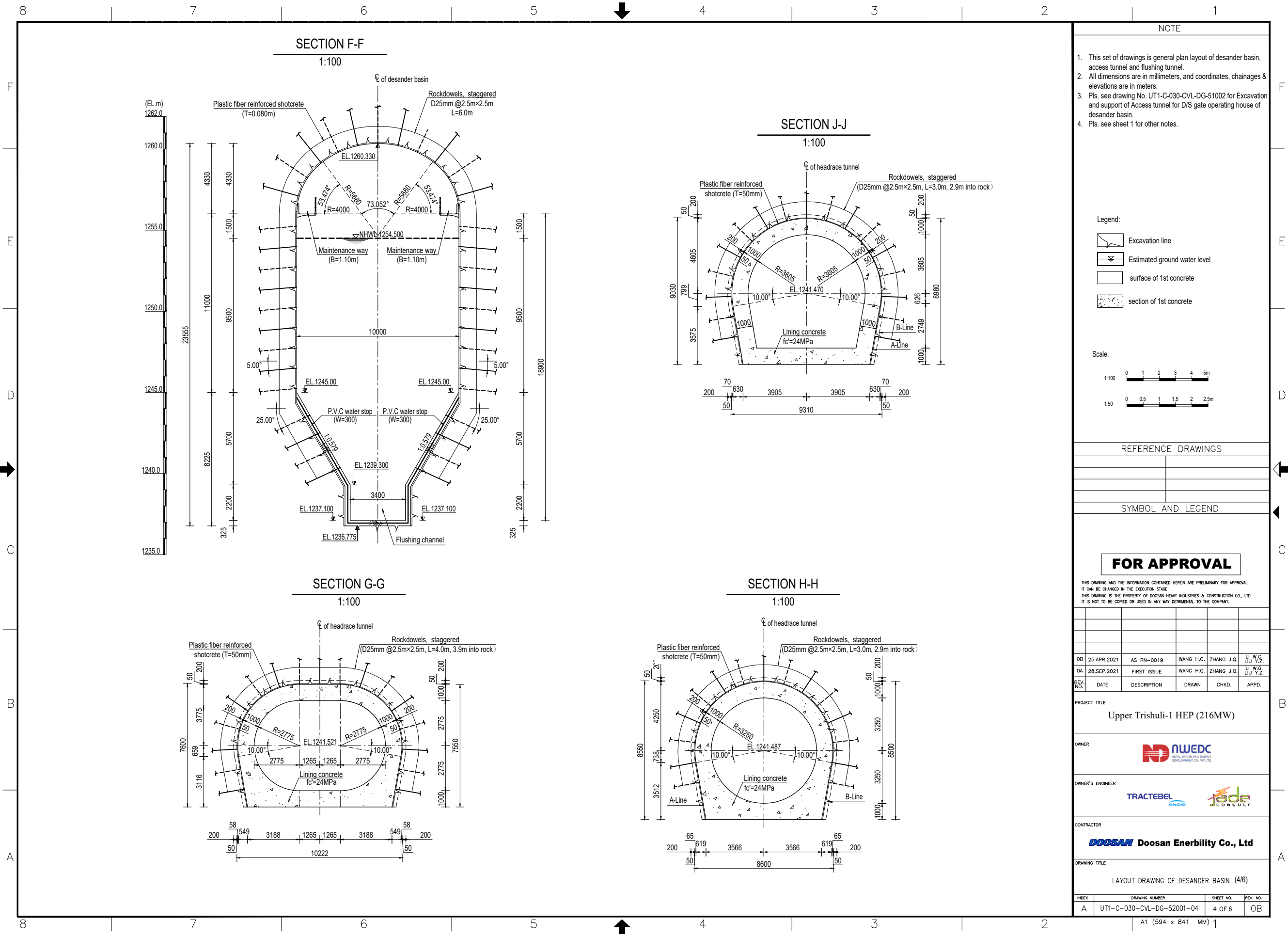
DOOSAN Doosan Enerbility Co., Ltd

DRAWING TITLE

LAYOUT DRAWING OF DESANDER BASIN (3/6)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-030-CVL-DG-52001-03	3 OF 6	OB

A1 (594 x 841 MM) 1



NOTE

- This set of drawings is general plan layout of desander basin, access tunnel and flushing tunnel.
- All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
- Pls. see drawing No. UT1-C-030-CVL-DG-51002 for Excavation and support of Access tunnel for D/S gate operating house of desander basin.
- Pls. see sheet 1 for other notes.

Legend:

- Excavation line
- Estimated ground water level
- surface of 1st concrete
- section of 1st concrete

Scale:

1:100 0 1 2 3 4 5m

1:50 0 0.5 1 1.5 2 2.5m

REFERENCE DRAWINGS

SYMBOL AND LEGEND

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OA	28.SEP.2021	FIRST ISSUE	WANG H.Q.	ZHANG J.Q.	LI W.G.
REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC
NIGDAL, WATER AND POWER DEVELOPMENT CO., PVT. LTD.

OWNER'S ENGINEER

TRACTEBEL
CHNC

Jade CONSULT

CONTRACTOR

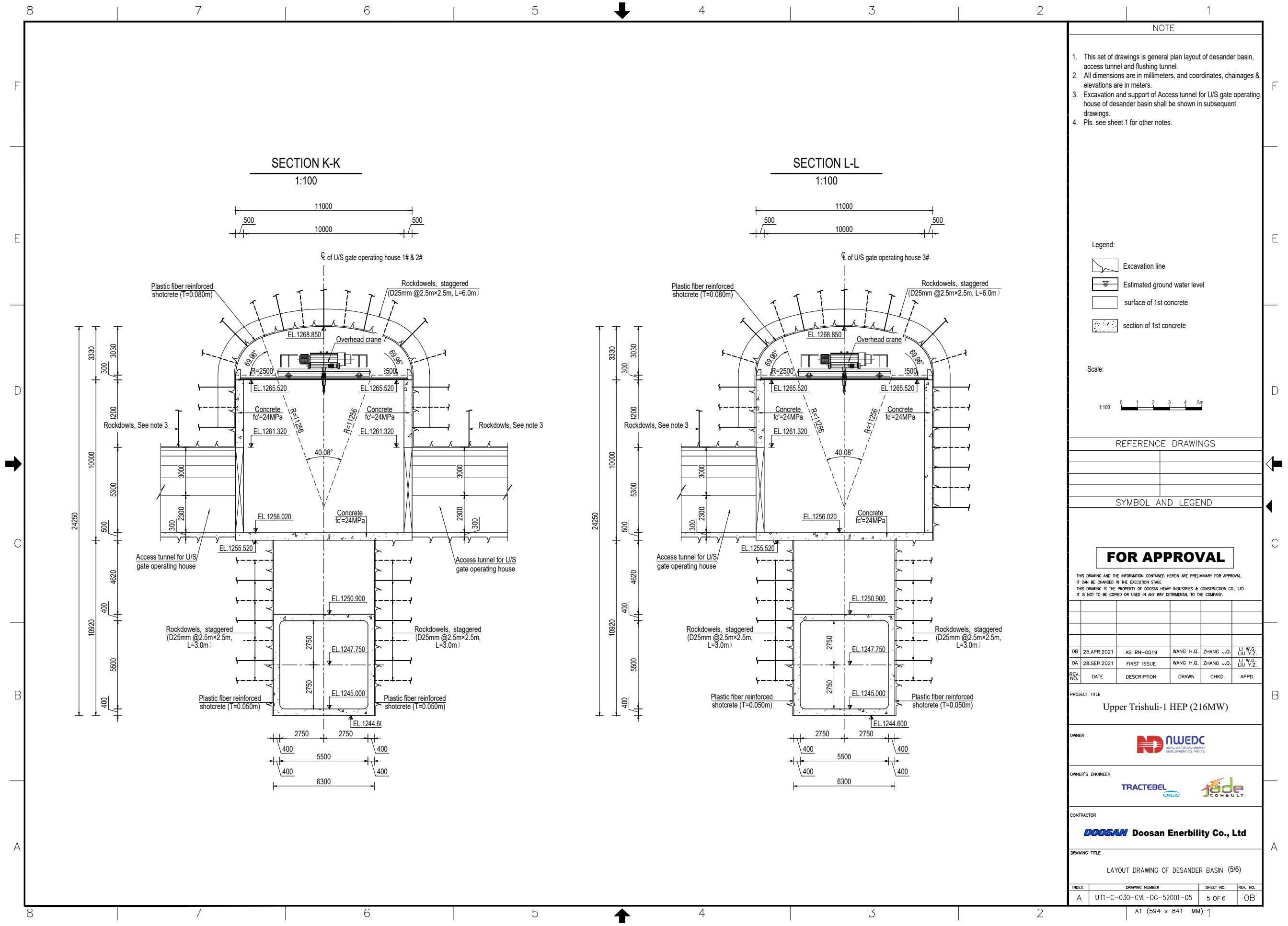
DOOSAN Doosan Enerbility Co., Ltd

DRAWING TITLE

LAYOUT DRAWING OF DESANDER BASIN (4/6)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-030-CVL-DG-52001-04	4 OF 6	OB

A1 (594 x 841 MM) 1



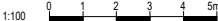
NOTE

1. This set of drawings is general plan layout of desander basin, access tunnel and flushing tunnel.
2. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
3. Excavation and support of Access tunnel for U/S gate operating house of desander basin shall be shown in subsequent drawings.
4. Pls. see sheet 1 for other notes.

Legend:

- Excavation line
- Estimated ground water level
- surface of 1st concrete
- section of 1st concrete

Scale:



REFERENCE DRAWINGS

SYMBOL AND LEGEND

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0A	28.SEP.2021	FIRST ISSUE	WANG H.Q.	ZHANG J.Q.	LI W.G.

PROJECT TITLE
Upper Trishuli-1 HEP (216MW)

OWNER
NWEDC

OWNER'S ENGINEER
TRACTEBEL
Jade CONSULT

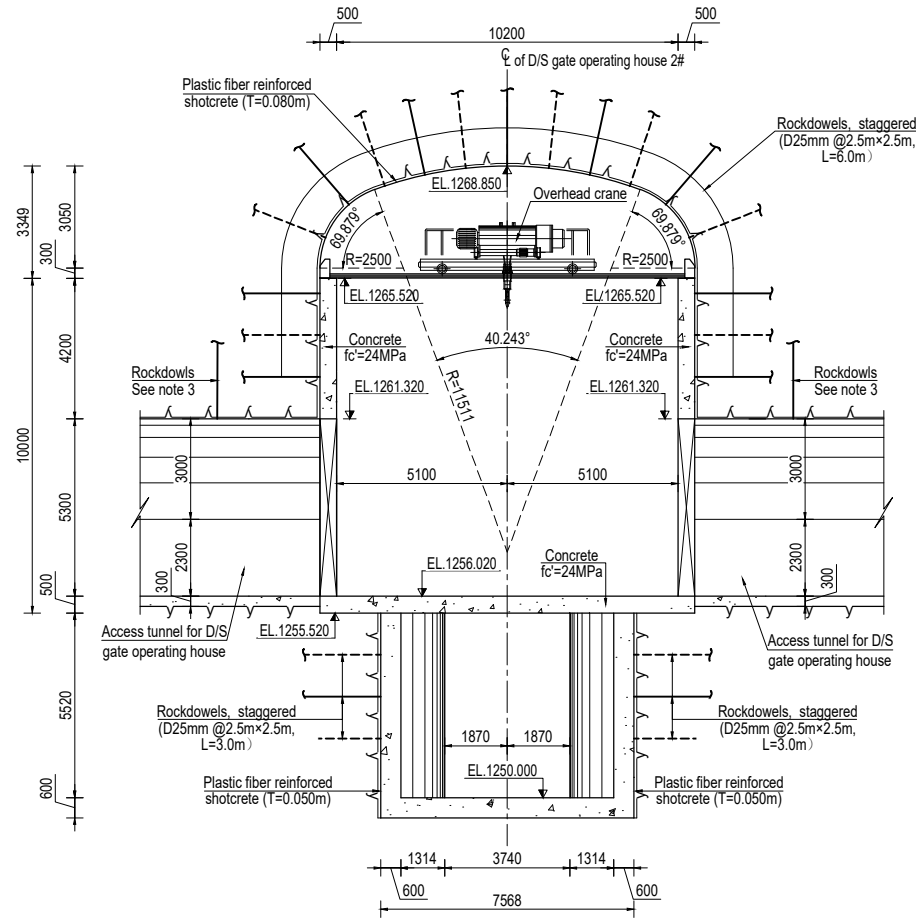
CONTRACTOR
DOOSAN Doosan Enerbility Co., Ltd

DRAWING TITLE
LAYOUT DRAWING OF DESANDER BASIN (5/6)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-030-CVL-DG-52001-05	5 OF 6	0B

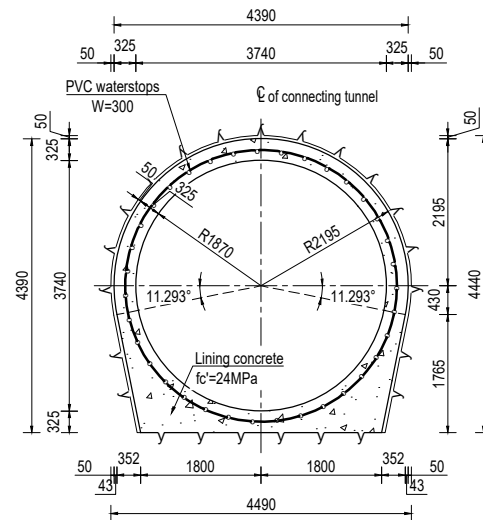
SECTION M-M

1:100



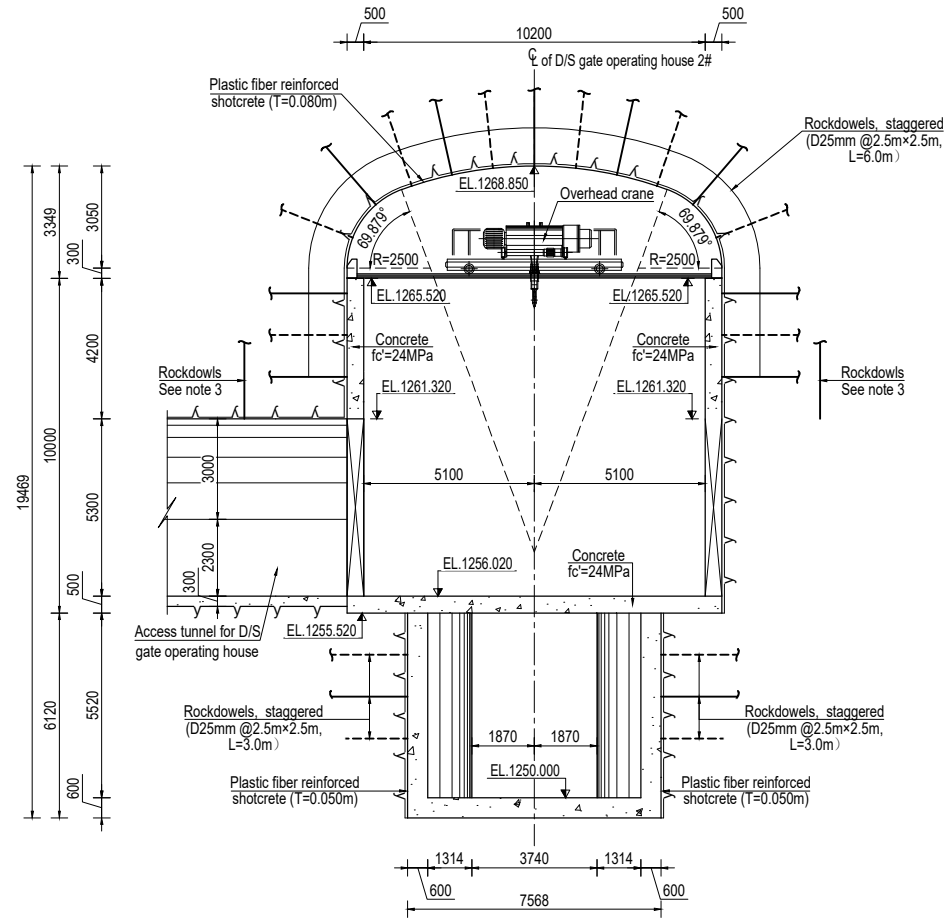
TYPICAL SECTION 1 FOR CONNECTING TUNNEL

1:50



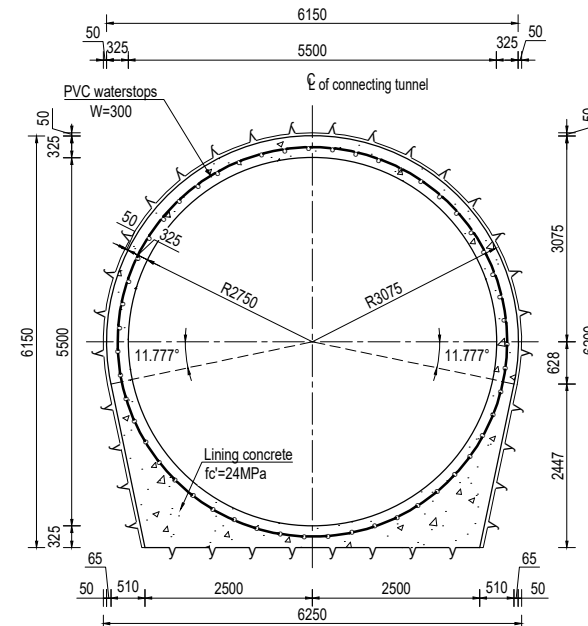
SECTION P-P

1:100



TYPICAL SECTION 2 FOR CONNECTING TUNNEL

1:50



NOTE

1. This set of drawings is general plan layout of desander basin, access tunnel and flushing tunnel.
2. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
3. Pls. see drawing No. UT1-C-030-CVL-DG-51002 for Excavation and support of Access tunnel for D/S gate operating house of desander basin.
4. Pls. see sheet 1 for other notes.

REFERENCE DRAWINGS

SYMBOL AND LEGEND

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OA	28.SEP.2021	FIRST ISSUE	WANG H.Q.	ZHANG J.Q.	LI W.G.

PROJECT TITLE
Upper Trishuli-1 HEP (216MW)

OWNER
NWEDC
NARAYAN WATERSHED DEVELOPMENT CO. PVT. LTD.

OWNER'S ENGINEER
TRACTEBEL
TRACON

CONTRACTOR
DOOSAN Doosan Enerbility Co., Ltd

DRAWING TITLE
LAYOUT DRAWING OF DESANDER BASIN (6/6)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-030-CVL-DG-52001-06	6 OF 6	OB

A1 (594 x 841 MM) 1